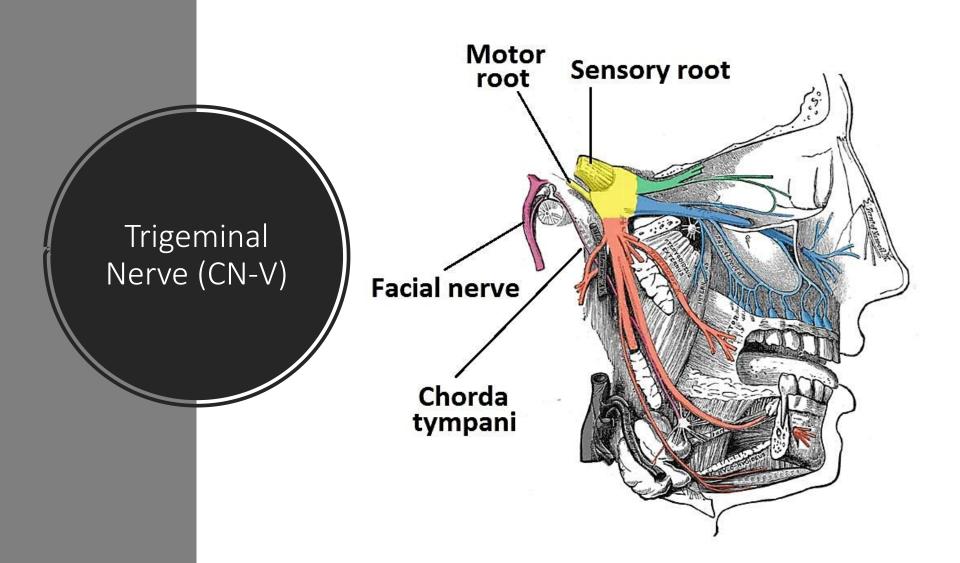


# Maxillary N. (CN Vc) & Mandibular N. (CN Vb)

Dr Maan Al-Abbasi PhD (UK), MBChB, MD

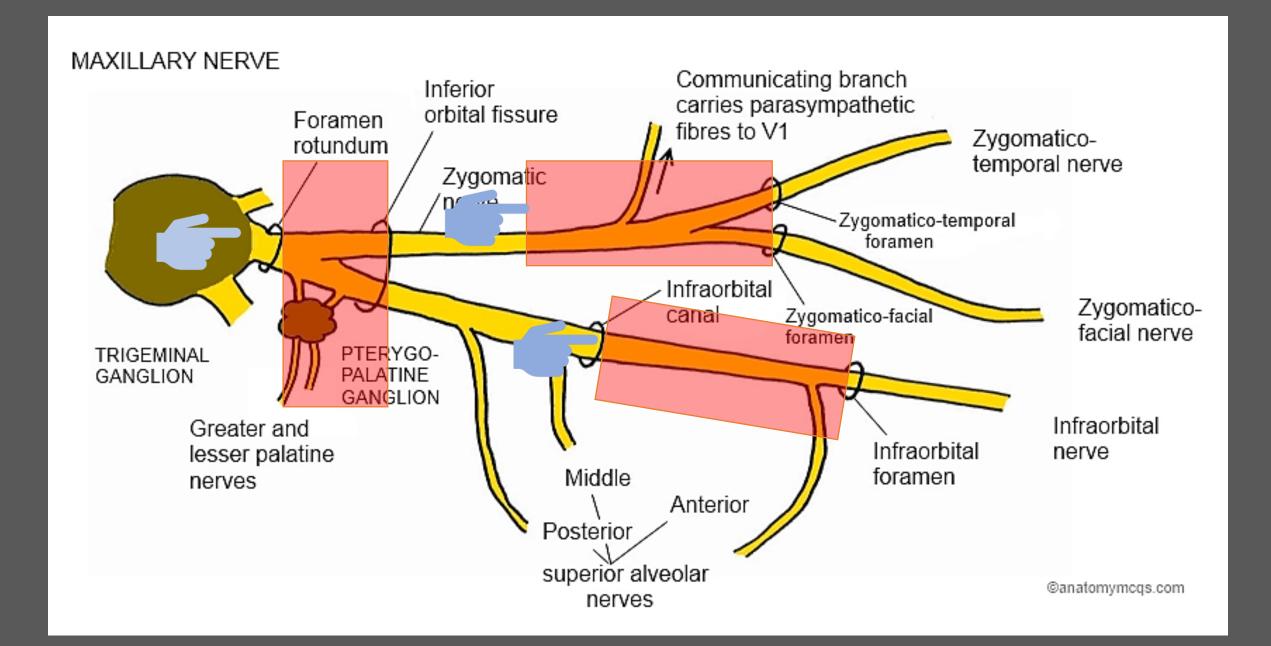


Opthalmic (V1)

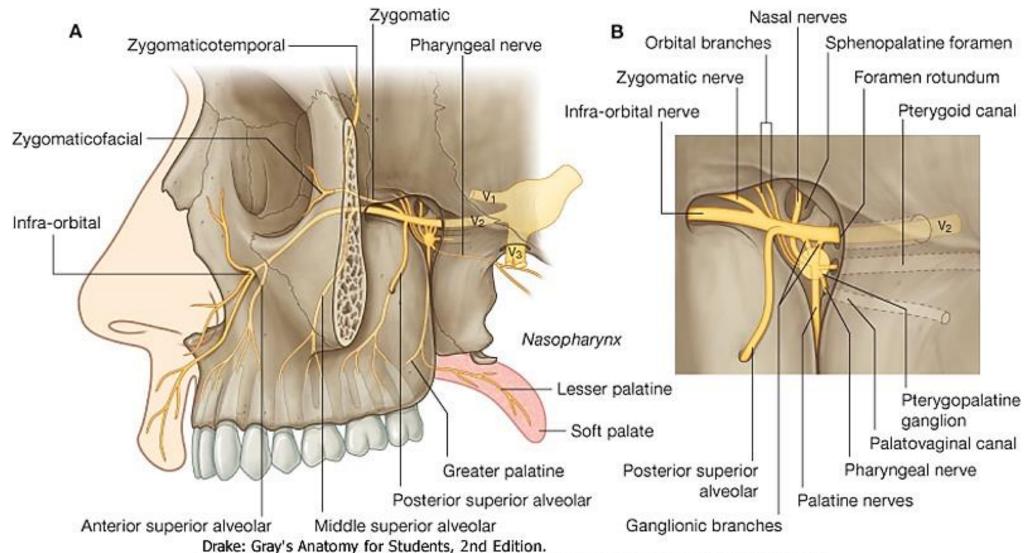
Maxillary (V2)

Mandibular (V3)

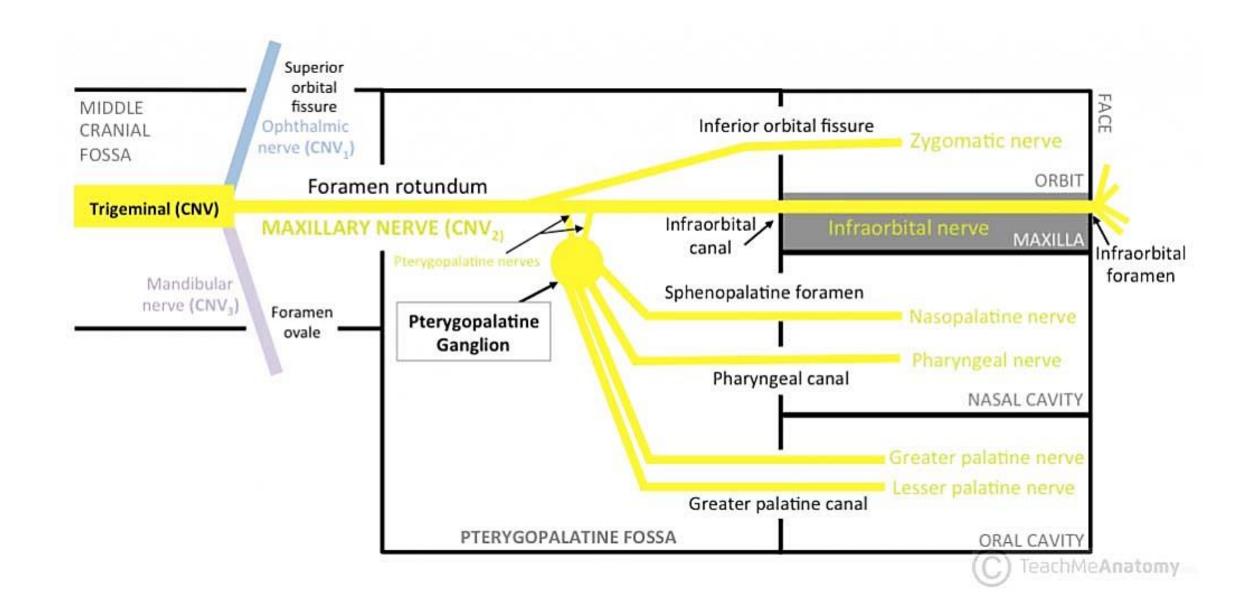




#### Maxillary Nerve

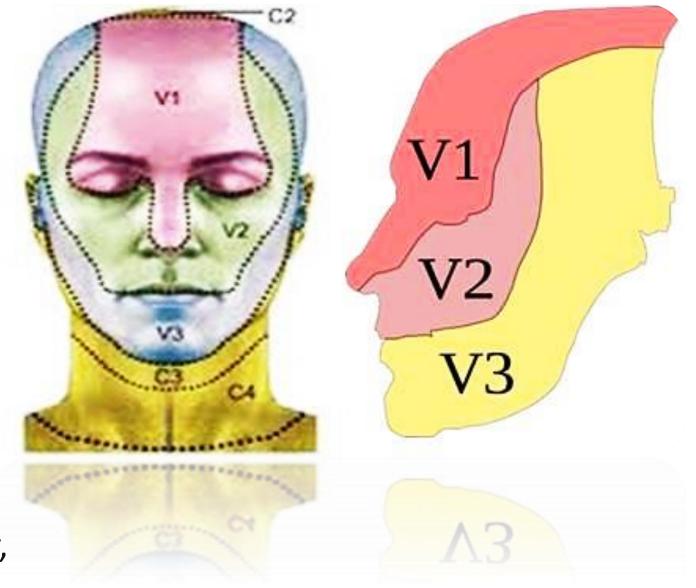


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## The maxillary nerve coverage

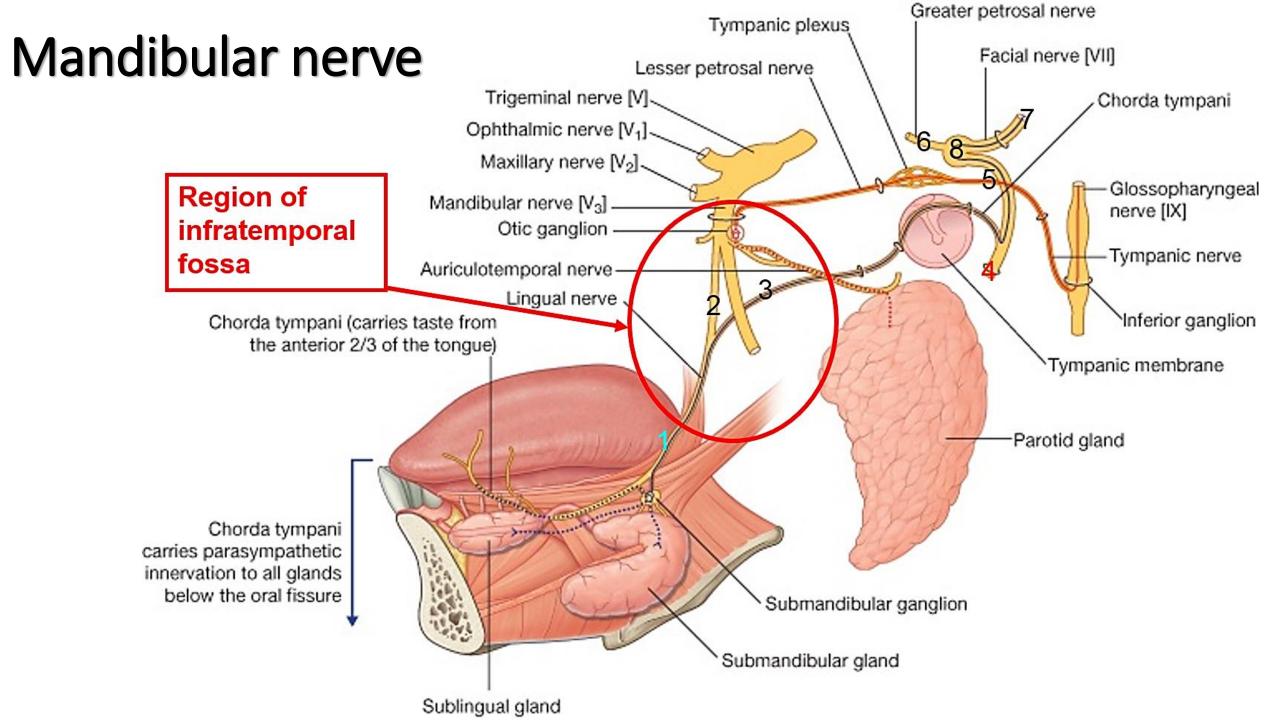
- lower eyelids,
- nares
- upper lip,
- the cheek,
- upper teeth and gums,
- roof of the pharynx along with the palate
- the air sinuses the maxillary, ethmoid and sphenoid ones.



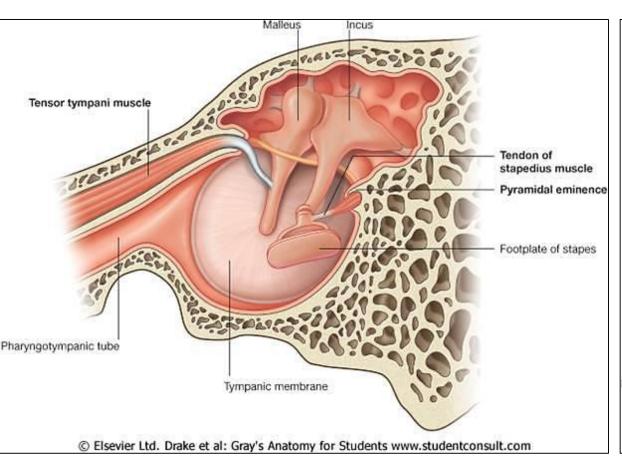
## Mandibular nerve

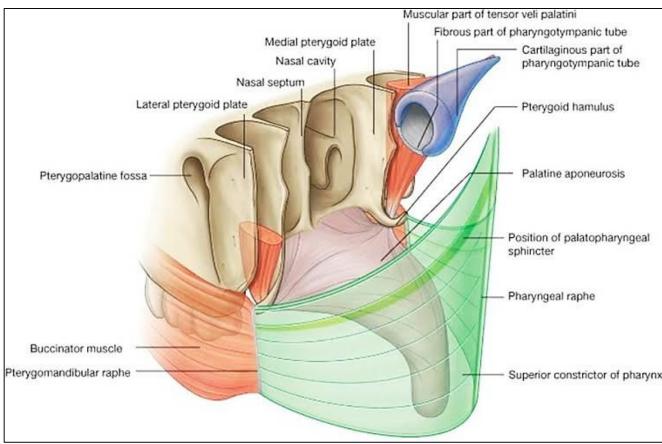
Meningeal branch (nervus spinosus) Foramen ovale Middle meningeal artery Foramen spinosum Deep temporal Masseteric nerve branch sound dampening function Auriculotemporal nerve Nerve to Chorda tympani lateral Buccal nerve (from facial nerve) pterygoid Nerve to medial pterygoid (also supplies tensor tympani and tensor palati) Chorda tympani is picked up by lingual nerve Inferior alveolar nerve Lingual artery Submandibular ganglion Lingual nerve Nerve to mylohyoid (also supplies the Mandibular foramen anterior belly of digastric) Inferior dental nerves Mental foramen Danafornymogs com

 The motor part of the mandibular branch involved into the process of eating – biting, chewing and swallowing.



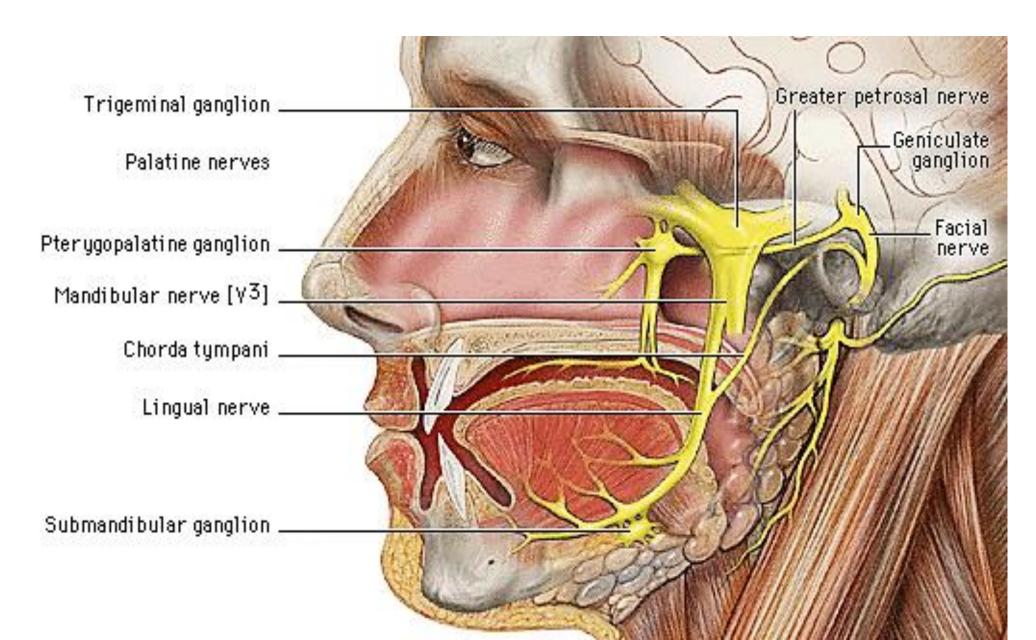
### Tensors Palati & Tympani





#### **Lingual nerve**

sensory to the anterior two thirds of the tongue, the floor of the mouth, and the lingual gingivae.



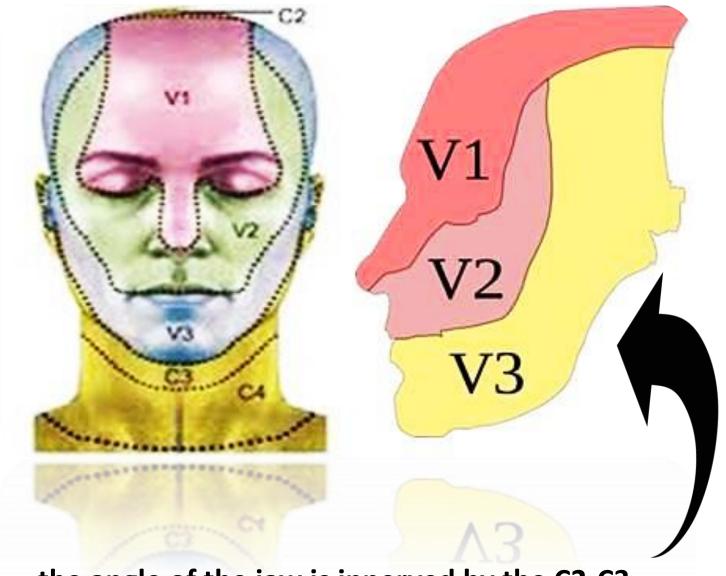
#### Inferior alveolar nerve





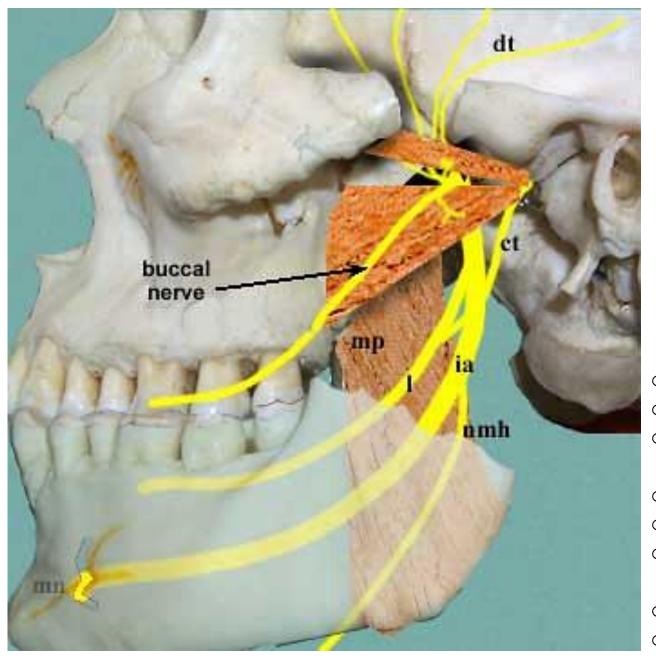
## The mandibular nerve coverage

- lower lip
- lower teeth and gums,
- the chin
- the jaw
- parts of the external ear.



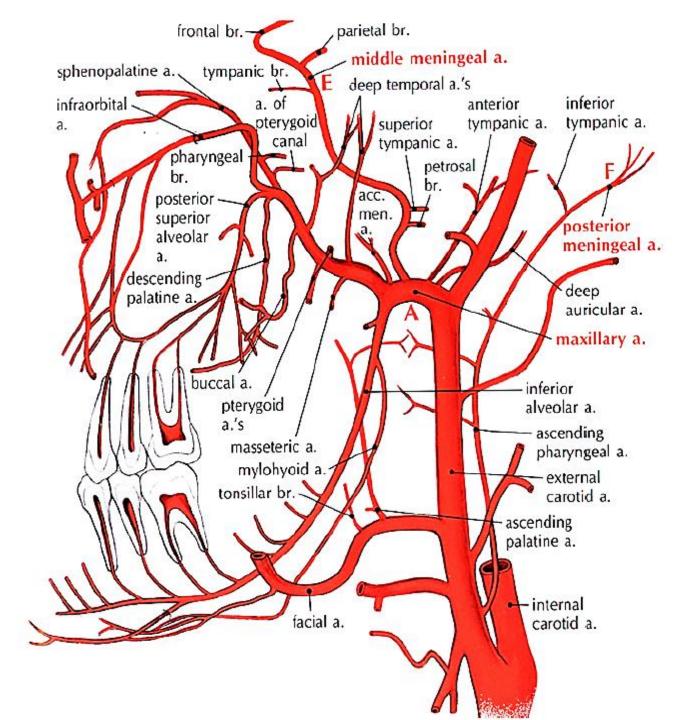
the angle of the jaw is innerved by the C2-C3.

Mandibular Nerve V3 Foramen ovale Nervus spinosus N. to medial pterygoid | 米 Trunk \* Auriculotemporal N. N. to temporalis N. to lateral pterygoid 米 Incisive N. Mental N. Inferior alveolar N. Anterior Posterior division division \* Lingual N. N. to masster (mainly sensory) (mainly motor) N. to mylohyiod+ ABD Buccal nerve



#### Revision

- o deep temporal (dt)
- auriculotemporal (at)
- o inferior alveolar (ia)
  - nerve to the mylohyoid (nmh)
- o lingual (I)
- o buccal (b)
- branches to lateral pterygoid (not labeled)
- Not shown: meningeal branch
- o nerve to masseter



For those who really want to study the maxillary artery